

UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b))	Attorney Docket No.	INFN0002
	First Inventor	Yuan Che Hsieh, et al.
	Title	SYSTEM AND METHOD FOR IMPROVING RESOLUTION OF CHANNEL DATA
	Express Mail Label No.	EV322527812US

22154 U.S. PTO
10/6/03



APPLICATION ELEMENTS	Commissioner for Patents Mail Stop Patent Application PO Box 1450 Alexandria, VA 22313-1450
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1. <input checked="" type="checkbox"/> Fee Transmittal Form (submit an original and a duplicate for fee processing) 2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 3. <input checked="" type="checkbox"/> Specification [total pages <u>24</u>] (preferred Arrangement set forth below) - Descriptive title of the Invention - Cross References to Related Applications - Statement Regarding Fed sponsored R&D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings - Detailed Description - Claim(s) - Abstract of the Disclosure 4. <input checked="" type="checkbox"/> Drawing(s) [total sheets <u>4</u>] 5. <input checked="" type="checkbox"/> Oath or Declaration [total sheets <u>2</u>] a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from prior appl. (37 C.F.R. § 1.63(d)) i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).	6. <input type="checkbox"/> Application Data Sheet. (See 37 CFR 1.76) 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Form b. <input type="checkbox"/> Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statements verifying identity of above copies
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ACCOMPANYING APPLICATION PARTS

9. <input checked="" type="checkbox"/> Assignment Papers (coversheet/document(s)) 10. <input type="checkbox"/> 37 CFR. 3.73(b) Statement (when there is an assignee) <input checked="" type="checkbox"/> Power of Attorney 11. <input type="checkbox"/> English Translation Document 12. <input type="checkbox"/> IDS & Form 1449 <input type="checkbox"/> Copies of IDS Citations 13. <input type="checkbox"/> Preliminary Amendment 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) 15. <input type="checkbox"/> Certified Copy of Priority Document(s) 16. <input type="checkbox"/> Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. <input type="checkbox"/> Other:
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17. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: /

Prior application information: Examiner: Group/Art Unit:

FOR CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label **25235** or ☐ Correspondence address below

Name					
Address					
City	State	ZIP			
Country	Telephone	Fax			

Name (Print/Type)	Stuart T. Langley	Registration No.	33,940
(Signature)	<i>Stuart Langley</i>	Date	9/24/03

1719 U.S. PTO
09/24/03

FEE TRANSMITTAL for FY 2003

TOTAL AMOUNT OF PAYMENT (\$) (\$1504.00)

Complete if Known

Application Number	
Filing Date	Herewith
First Named Inventor	Yuan Che Hsieh, et al.
Examiner Name	
Group / Art Unit	
Attorney Docket No.	INFN0002

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit
Account
Number

50-1123

Deposit
Account
Name

Hogan & Hartson L.L.P.

☒ Charge Any Additional Fee Required Under 37 CFR § 1.16 and 1.17

☐ Applicant claims small entity status.
See 37 CFR 1.27

2. ☒ Payment Enclosed:

☒ Check

☐ Credit
Card

☐ Money
Order

☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid
1001-	750	2001 375 Utility Filing Fee	750.00
1006	330	2006 165 Design filing fee	
1007	520	2007 260 Plant filing fee	
1008	750	2008 375 Reissue filing fee	
1005	160	2005 80 Provisional filing fee	

SUBTOTAL (1) (\$750.00)

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
41	-20**= 21	X 18	= 378.00
7	-3**= 4	X 84	= 336.00
Multiple Dependent			= 0

**or number previously paid, if greater; For Reissues, see below

Large Entity Fee Code	Small Entity Fee Code	Fee Description
1202	18	2202 9 Claims in excess of 20
1201	84	2201 42 Independent claims in excess of 3
1203	280	2203 140 Multiple dependent claim, if not paid
1204	84	2204 42 **Reissue independent claims over original patent
1205	18	2205 9 **Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$714.00)

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid
105	130	205 65 Surcharge - late filing fee or oath	
127	50	227 25 Surcharge - late provisional filing fee or cover sheet	
139	130	139 130 Non-English specification	
147	2,520	147 2,520 For filing a request for ex parte reexamination	
112	920*	112 920* Requesting publication of SIR prior to Examiner action	
113	1,840*	113 1,840* Requesting publication of SIR after Examiner action	
115	110	215 55 Extension for reply within first month	
116	410	216 205 Extension for reply within second month	
117	930	217 465 Extension for reply within third month	
118	1,450	218 725 Extension for reply within fourth month	
128	1,970	228 985 Extension for reply within fifth month	
119	320	219 160 Notice of Appeal	
120	320	220 160 Filing a brief in support of an appeal	
121	280	221 140 Request for oral hearing	
138	1,510	138 1,510 Petition to institute a public use proceeding	
140	110	240 55 Petition to revive - unavoidable	
141	1,300	241 650 Petition to revive - unintentional	
142	1,300	242 650 Utility issue fee (or reissue)	
143	460	243 230 Design issue fee	
144	630	244 315 Plant issue fee	
122	130	122 130 Petitions to the Commissioner	
123	50	123 50 Processing fee under 37 CFR 1.17(q)	
126	180	126 180 Submission of Information Disclosure Stmt	
581	40	581 40 Recording each patent assignment per property (times number of properties)	40.00
146	750	246 375 Filing a submission after final rejection (37 CFR § 1.129(a))	
149	750	249 375 For each additional invention to be examined (37 CFR § 1.129(b))	
179	750	279 375 Request for Continued Examination (RCE)	
169	900	169 900 Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$40.00)

SUBMITTED BY Complete (if applicable)

Name
(Print/Type)
Signature

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(Attorney/Agent)

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(720) 406-5335

Date

9/24/03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Yuan Che Hsieh, et al.

Serial No. _____

Filed: Herewith

For: SYSTEM AND METHOD FOR
IMPROVING RESOLUTION OF
CHANNEL DATA

Group Art Unit:

Examiner:

CERTIFICATE OF MAILING BY EXPRESS MAIL

Mail Stop Patent Application
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Commissioner:

The undersigned hereby certifies that the following documents:

- Utility Patent Application Transmittal;
- Utility Patent Application [Specification (16 pages); Claims (7 pages); Abstract (1 page); Drawings (4 sheets)];
- Declaration (executed);
- Assignment with Recordation Cover Sheet;
- Fee Transmittal with check in the amount of \$1504.00;
- Certificate of Mailing by Express Mail; and
- Return Receipt Postcard.

relating to the above application, were deposited as "Express Mail", Mailing Label No. EV322527812US, with the United States Postal Service, addressed to Mail Stop PATENT APPLICATION, Commissioner for Patents, PO Box 1450, Alexandria VA, 22313-1450, September 24, 2003.

9/24/03
Date

9/24/03
Date

Stuart T. Langley
Mailer

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**DESIGNATION OF
CORRESPONDENCE ADDRESS**
Patent

Addressed to:

Commissioner for Patents

PO Box 1450
Alexandria, VA 22313-1450

Patent Number

Issue Date

Application Number

Filing Date

First Named Inventor

September 24, 2003

Yuan Che Hsieh

Please designate the Correspondence Address for the above-identified patent as:



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25235

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I am the: Attorney or agent of record.

Date

9/24/03

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